

09/631,810     DIALOG NPL SEARCH Date: 11/20/07

File 15:ABI/Inform(R) 1971-2007/Nov 20  
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File 9:Business & Industry(R) Jul/1994-2007/Nov 13  
    (c) 2007 The Gale Group  
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    (c) 2007 PR Newswire Association Inc  
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    (c) 1999 PR Newswire Association Inc  
File 16:Gale Group PROMT(R) 1990-2007/Nov 16  
    (c) 2007 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
    (c) 1999 The Gale Group  
File 634:San Jose Mercury Jun 1985-2007/Nov 16  
    (c) 2007 San Jose Mercury News  
File 148:Gale Group Trade & Industry DB 1976-2007/Nov 13  
    (c) 2007 The Gale Group  
File 20:Dialog Global Reporter 1997-2007/Nov 20  
    (c) 2007 Dialog  
File 35:Dissertation Abs Online 1861-2007/Jul  
    (c) 2007 ProQuest Info&Learning  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
    (c) 2002 The Gale Group  
File 65:Inside Conferences 1993-2007/Nov 19  
    (c) 2007 BLDSC all rts. reserv.  
File 2:INSPEC 1898-2007/Nov W1  
    (c) 2007 Institution of Electrical Engineers  
File 474:New York Times Abs 1969-2007/Nov 20  
    (c) 2007 The New York Times  
File 475:Wall Street Journal Abs 1973-2007/Nov 19  
    (c) 2007 The New York Times  
File 99:Wilson Appl. Sci & Tech Abs 1983-2007/Sep  
    (c) 2007 The HW Wilson Co.  
File 348:EUROPEAN PATENTS 1978-2007/ 200744  
    (c) 2007 European Patent Office  
File 349:PCT FULLTEXT 1979-2007/UB=20071115UT=20071108  
    (c) 2007 WIPO/Thomson  
File 347:JAPIO Dec 1976-2007/Jun(Updated 070926)  
    (c) 2007 JPO & JAPIO

? ds

Set	Items	Description
S1	459336	WORKFLOW OR WORK(1W)FLOW OR (TRANSACTION (1W) (FLOW OR PRO- CESS))
S2	11390	(DEAL OR TRANSACTION) (5N) (DISPLAY??? ?)
S3	850	S1 AND S2

Split Tile

09/631,810      DIALOG NPL SEARCH Date: 11/20/07

S4      441908      WORKFLOW OR WORK(1W)FLOW OR (TRANSACTION (1W) (FLOW OR PRO-  
CESS)) (20N) STATUS  
S5      332      S4 AND S2  
S6      30      S5 AND (PROMPT? ?) (20N) (DISPLAY)  
S7      1      (SECURITIZ?) AND S6  
S8      5      S6 AND PY<2001  
S9      0      S8 AND SECURITIZATION  
? t s8/3,k/1-5

8/3,K/1      (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00548200

Work management computer system.  
Rechnersystem fur Arbeitsverwaltung.  
Systeme a ordinateur de la gerance de travail.

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 514231 A2 921119 (Basic)

APPLICATION (CC, No, Date): EP 92401117 920421;

PRIORITY (CC, No, Date): US 698501 910510

DESIGNATED STATES: BE; DE; DK; ES; FR; GB; GR; IT; LU; NL; PT

INTERNATIONAL PATENT CLASS (V7): G06F-015/21;

ABSTRACT WORD COUNT: 48

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	3371
SPEC A	(English)	EPABF1	24462
Total word count - document A			27833
Total word count - document B			0
Total word count - documents A + B			27833

...SPECIFICATION the required work steps.

Work Documentation Systems

Work Documentation Systems provide a way to document **workflow** within an organization. Examples of such systems are flowcharts, data flow diagrams, and entity-relationship...steps needed to generate work correctly. These are described below and are shown in the **\*\*\*work\*\*\*** - **\*\*\*flow\*\*\*** diagram in Figure 4. There is also an example of the work generation process in...Screen" to prompt for purchase order header information followed by the "New Item Screen" to **prompt** for product information.

<View>. This verb calls an "Order Viewing Screen" to **\*\*\*display\*\*\*** some customer/work order number data. The user is prompted for a customer ID and...

...work order number. For each entry found for the input keys, the following fields are **displayed**:

- o agency
- o activity

Split Tile

- o transaction type
- o status
- o reason code, and
- o reference number.

This screen contains only a...

...Screen". This screen provides the following verbs:

<Describe>. This verb calls the "Description Screen" to   \*\*\*display\*\*\*  
the long description of a product.

<Select>. This verb calls "Selection Criteria Screen". This screen  
**prompts** the user to enter the selection criteria for the Demand  
versus Supply Screen. Record selection...

8/3,K/2            (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00433402

Computer system and method for work management  
Rechnersystem und Verfahren zur Arbeitsverwaltung  
Systeme et methode d'ordinateur pour gestion de travail  
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PATENT (CC, No, Kind, Date):   EP 472786   A1   920304 (Basic)

                                  EP 472786   B1   960313

APPLICATION (CC, No, Date):    EP 90309383 900828;

PRIORITY (CC, No, Date): EP 90309383 900828

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS (V7): G06F-017/60;

ABSTRACT WORD COUNT: 190

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	3861
CLAIMS B	(English)	EPAB96	1173
CLAIMS B	(German)	EPAB96	1266
CLAIMS B	(French)	EPAB96	1374
SPEC A	(English)	EPABF1	16150
SPEC B	(English)	EPAB96	16191
Total word count - document A			20011
Total word count - document B			20004
Total word count - documents A + B			40015

...SPECIFICATION which do not normally generate alphanumeric characters on the display screen). The Help function initially **\*\*\*displays\*\*\*** **transaction** and/or field specific codes which are used for filling in data fields within the...through a keyboard 68 and consists of numerous preformatted screens which are displayed on a **display** screen 70. The functions are preprogrammed and run on the local computer 38. The information input in response to **\*\*\*prompts\*\*\*** in the functions' preformatted screens is stored in the local computer 38.

When a form...or by placing the four letter code 'LPTX' in the 'Next Trans' field of any **\*\*\*transaction\*\*\***.

The first screen **displayed** when the LPT function is accessed is shown in Table V. This is the Loss...s status (i.e. open or closed) at the time of the payment.

A different **work flow** occurs depending on the handler's selection of the type of payment transaction (i.e...on a screen and to capture these elements at logical points within the CAS system

**\*\*\*workflow\*\*\***

A Local Data Label Maintenance screen (not shown) is provided which functions as a menu...

...SPECIFICATION which do not normally generate alphanumeric characters on the display screen). The Help function initially **\*\*\*displays\*\*\*** **transaction** and/or field specific codes which are used for filling in data fields within the...through a keyboard 68 and consists of numerous preformatted screens which are displayed on a **display** screen 70. The functions are preprogrammed and run on the local computer 38. The information input in response to **\*\*\*prompts\*\*\*** in the functions' preformatted screens is stored in the local computer 38.

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**\*\*\*workflow\*\*\***

A Local Data Label Maintenance screen (not shown) is provided which functions as a menu...

...CLAIMS 62. A system according to claim 48, further comprising inquiry

means for selectively retrieving and *displaying* initial *transaction* information in response to input of at least one case number.

63. A system according...

8/3,K/3      (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00566604      **\*\*Image available\*\***  
AUTOMATED FORMS PUBLISHING SYSTEM AND METHOD USING A RULE-BASED EXPERT  
SYSTEM TO DYNAMICALLY GENERATE A GRAPHICAL USER INTERFACE  
SYSTEME AUTOMATISE D'EDITION DE FORMULAIRES ET PROCEDE FAISANT INTERVENIR  
UN SYSTEME EXPERT A BASE DE REGLES POUR LA GENERATION DYNAMIQUE D'UNE  
INTERFACE UTILISATEUR GRAPHIQUE

Patent Applicant/Assignee:

CCH INCORPORATED,  
MUKHERJEE Krishna C,

Inventor(s):

MUKHERJEE Krishna C,

Patent and Priority Information (Country, Number, Date):

Patent:                      WO 200029977 A1 20000525 (WO 0029977)

Application:                WO.99US25211 19991028 (PCT/WO US9925211)

Priority Application: US 98185581 19981104

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD  
RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF  
CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 12193

Patent and Priority Information (Country, Number, Date):

Patent:                      ...      \*\*\*20000525\*\*\*

Fulltext Availability:

Detailed Description

Claims

Publication Year: 2000

Detailed Description

... and second sets of information.

Additional features provided in certain embodiments include the ability  
to *display* a *transaction*-level user screen including a first  
plurality of user *prompts* 10 arranged according to an assigned  
priority level and dynamically generated based on user inputs...

...invention,

including steps for defining prompts, defining expert system rules and  
associating them with the *prompts*, and for executing a transaction  
based on the expert system rules.

FIG. 5 is a...

...that uses expert system rules to dynamically generate a user interface, including steps of retrieving *transaction*-level 5 *prompts* and *displaying* them according to a preassigned priority level, reading user inputs and asserting facts in the...can be compiled into a binary form to execute at run time. At run time, **\*\*\*display\*\*\*** generator 123 asserts or retracts facts based on user responses, and queries the database before displaying a next set of *prompts* on computer  
**\*\*\*display\*\*\*** 130.

Printer and file interface component 126 allows forms to be printed to printer 10...

...by user inputs received through computer display 130. As a user enters information through computer *display* 130, various rules in the database will be "fired," thus changing the appearance of the **\*\*\*display\*\*\*** for future **\*\*\*prompts\*\*\***. The dynamically changing nature of the graphical user interface avoids prompting the user for redundant ...

...otherwise need to be modified, recompiled. and retested by programmers in order to modify the **\*\*\*display\*\*\*** sequence or content.

20 After a user has entered information in response to the dynamically changing *prompts*, new forms can be printed using printer 140, or forms could be electronically generated and...expert 5 svstem rules can be used to control the appearance of the user's *display* and hence the types of **\*\*\*prompts\*\*\*** that the user will see as he or she enters information. It will be assumed...a multi-producer jurisdiction had been selected and, in response thereto, assert a condition that *prompt* area 304 should be enabled. **\*\*\*Display\*\*\*** generator 123 (FIG. 1) would then generate 20 displayable *prompt* areas corresponding to rules that had been "fired" corresponding to the selected choices.

It is...

...producers to be specified by the user. In response to the fining of this rule, *display* generator 123 has generated an "enabled" *prompt* area 304 that permits the user to increment or decrement the displayed 10 number. If...

...in a flexible manner.

Prompts that are always displayed regardless of user input (e.g., *prompt* areas 301, 302 and 303) can be implemented using expert system rules that always assert the conditions necessary to *display* the **\*\*\*prompt\*\*\*** unless deactivated by a later 25 condition. As one example, selecting "appointment" in *prompt* area 301 can fire a rule that disables irrelevant or impossible combinations. such as appointment ...to implement the selective 5 enabling of the remaining text fields, this aspect of the *display* control could be hardcoded while retaining the flexibility to define the specific fields and the label associated with the *prompt* area ("Is a name change being submitted?") as form definition information in the database. In other words, the *display* could still be tailored to a specific application without hardcoding the application-specific data.

10 **\*\*\*Prompt\*\*\*** area 306 in FIG. 3E will be referred to as a "text group"

control, which...

...generated on the screen corresponds to the number of producers selected in FIG. 3G. This **\*\*\*display\*\*\*** control mechanism will be referred to a -grid group." Additionally, **\*\*\*prompts\*\*\*** are also provided to solicit the information specifically needed for Pennsylvania. as shown 5 in... form that will be generated at the end of the process.

In step 402, a *work flow* analysis is performed, typically by a person who understands how data in the system should...and determine what remaining questions should be asked. Within n=action-level and form-level *prompts*, additional priority levels can be assigned to control the ordering of questions on the *display*. For example, a **\*\*\*prompt\*\*\*** for an employee name **\*\*\*prompt\*\*\*** can be assigned the highest priority level in order to force 20 it to appear first on the *display*, followed in sequence by lower-priority **\*\*\*prompts\*\*\***. In one embodiment, a user can be prevented from advancing to form-level screens until...

...a user to specify business rules in ordinary English could also be used.

The interactive *display* of *prompts* and navigation logic in one embodiment of the present invention can be specified in the... Solicitor', 'Broker', 'Agent And All Other']) :- is answer (sinjur, 'AZ'); is answer (muljur, 'AT').

- 24 *Display* the strings "Solicitor", "Broker" and "Agent And All Other" in the License Type *prompt* box only if the user selected AZ as a Example 5: do dlsplay strings (catloa...

...0, 'RF');  
is answer (t4, 'PA');  
is-answer (t4, 'RI').

instructs the user interface to *display* the strings 'Agent', 'Travel Baggage', 'Local', 'Special', 'General', and 'Associated Person' to be displayed in the License Type 15 *prompt* area for Applicant list box if PA and RI are selected from the list of...This can be accomplished by creating a rule that disables the social security number 25 **\*\*\*prompt\*\*\*** in response to checking a "rion-U.S. citizen" box on the **\*\*\*display\*\*\***. As another example, if an employee checks "married" for marital status, then the *prompt* for a spouse's name and date of birth would be enabled. These rules can...

...the user's entry of in the fields, the expert system rules are fired, causing **\*\*\*prompts\*\*\*** to be added or removed from the **\*\*\*display\*\*\***. The entire flow of the user interface can be specified and changed by changing the...desirable that user prompts be prioritized such that they are asked in an optimal sequence.

*Transaction*-level prompts should be *displayed* first (and, within that level, 20 prioritized) and form-level prompts displayed next (again prioritized...)

Claim

Split Tile

- ... dynamically prompting a user for information, comprising the steps of.  
(1) displaying on a computer *display* device a form comprising a first plurality of *prompts*;  
(2) receiving a response corresponding to one of the first plurality of prompts from the...
- ...to the condition being satisfied in step (4), changing the appearance of the form to *display* a new *prompt* or enable a disabled *prompt*, wherein the newly displayed or enabled *prompt* would not otherwise have been displayed or enabled absent satisfaction of the condition.
- 2...
- ...the form to remove or disable a previously enabled prompt, wherein the removed or disabled *\*\*\*prompt\*\*\** condition.
- 3 The method of claim 1, further comprising the step of, prior to step (1), retrieving from a database *display* control information used to control the appearance of the form on the computer display.
- 4 The method of claim 3, wherein the *display* control information comprises 25 priorities associated with each of the first plurality of *prompts*, and wherein step (1) comprises the step of using the priorities to determine a *display* order of the first plurality of *\*\*\*prompts\*\*\** . - 34
- 5 The method of claim 1, wherein step (1) comprises the step of displaying...
- ...driven knowledge base, and wherein inferences drawn from the assertions are used to change the *\*\*\*prompts\*\*\** that are displayed to the user. - 35
- 12 A system for implementing a graphical user interface, comprising:  
a computer *display* device including an input device; and  
a computer coupled to the computer display device;  
wherein...
- ...the logic-based rules are satisfied by answers entered by a user in response to *prompts* on the computer *\*\*\*display\*\*\** device.
- 13 The system of claim 12, wherein the computer includes an inference engine that with the dynamic HTML generator to *display* one or more *prompts* in response to the HTML dynamically generated by the server computer;  
wherein the *prompts* that are to be displayed to the user dynamically change in response to answers provided...

8/3,K/4      (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00484627

Split Tile



INTEGRATED BUSINESS SYSTEM FOR WEB BASED TELECOMMUNICATIONS MANAGEMENT  
SYSTEME D'ECHANGES COMMERCIAUX INTEGRES POUR LA GESTION DE  
TELECOMMUNICATIONS SUR LE WEB

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Patent and Priority Information (Country, Number, Date):

Patent: WO 9915979 A1 **19990401**  
Application: WO 98US20170 19980925 (PCT/WO US9820170)  
Priority Application: US 9760655 19970926

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU BR CA JP MX SG AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 88075

Patent and Priority Information (Country, Number, Date):

Patent: ... **\*\*\*19990401\*\*\***

Fulltext Availability:

Detailed Description

Publication Year: 1999

Detailed Description

... transactions and response transactions.

The StarOE server 39 responds to the message requests  
bK formulating **transaction** responses and transmitting  
them to the requesting servers and clients.

The StarOE client application...an applet, and also because the client  
program 154

employs the container Frame for customer **display**  
windowing purposes, the client program 154 runs, to a  
degree, independent of the browser within...a formatted result set. The  
DSS server

475 may also perform cost estimation, agent  
scheduling, **workflow** broadcasting interface, and  
transaction logging functions. In the preferred  
embodiment, the DSS 475 is a...organizations meaning that the request  
will apply to

the subordinate organizations as well. Furthermore,  
this **transaction** may only **display** some of the  
details/fields of the tickets which means that the  
data cached from...from  
the menu bar or double click the ticket in the query  
results. Particularly, a " **\*\*\*Display\*\*\*** Ticket Request

**Transaction**" (CSM/SI **transaction**) may be used to obtain the details, activities and remarks of a ticket. This **\*\*\*transaction\*\*\*** allows several **\*\*\*display\*\*\*** requests to be made, e.g., by setting corresponding flags to 'Y'. Whenever the customer...

...ticket number stuck into the SI header which will generate three or more responses. The " **\*\*\*Display\*\*\*** Detail Response **Transaction**" is a response that returns all the data elements corresponding to a given ticket in...upon selection of the "Find" button 2453 from the tool bar 2450, the CSM/SI **Transaction**, "**Display Ticket Req@iest Transaction**" is invoked, where the ticket number is passed on the request for handling as described...

...customer must be viewing the particular ticket's details that contain the remarks desired. The " **\*\*\*Display\*\*\*** Remarks Response **\*\*\*Transaction\*\*\*** " is a response that shows all the comments added, on the ticket either by the...

...customer must be viewing the particular ticket's details that contain the activities desired. The " **\*\*\*Display\*\*\*** Activity Response **Transaction**" is a response that provides all the activities, i.e., actions that have been taken...display 9f Figure 25(k). From the activities window, the activities for that ticket are **\*\*\*displayed\*\*\*** .

. This is a useful **\*\*\*transaction\*\*\*** in checking the status of a ticket and, it aids in tracking a ticket as...by reselecting the Approved check box. A pop-up message (not shown) in the web **display** will **prompt** the customer to confirm the action.

1  
With more particularity, -the CPN inveptory section 2770...

8/3,K/5      (Item 3 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00257922  
AUTOMATED ORDER AND DELIVERY SYSTEM  
SYSTEME AUTOMATIQUE DE COMMANDE ET DE LIVRAISON  
Patent Applicant/Assignee:  
TANDY CORPORATION,  
Inventor(s):  
ROACH John V,  
HOLLANDER Richard,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 9406085 A1 19940317  
Application: WO 93US8469 19930909 (PCT/WO US9308469)  
Priority Application: US 92942946 19920910  
Designated States:  
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AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG MN  
MW NL NO NZ PL RO RU SD SE SK UA VN AT BE CH DE DK ES FR GB GR IE IT LU  
MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 14483

Patent and Priority Information (Country, Number, Date):

Patent:                   ...   \*\*\*19940317\*\*\*

Fulltext Availability:

Detailed Description

Claims

#### English Abstract

...program instructions display item information and enable selection of items for addition to the sale *transaction* record, *display* delivery method instructions and enable their selection for addition to the sale transaction record, and...

Publication Year: 1994

#### Detailed Description

... program instructions

display merchandise information and enable selection of merchandise for addition to the sale *transaction* record, *display* delivery method instructions and enable their selection for addition to the sale transaction record, and...order and delivery functions of the system of FIG. 1;

FIGS. 4a-4e are screen *\*\*\*displays\*\*\** of a sales *\*\*\*transaction\*\*\** computer of the system of FIG. 1;

FIG. 5 is a screen display of a...system. The DCS is a real time distribution control system which tracks merchandise and directs *\*\*\*work\*\*\** *\*\*\*flow\*\*\** in the warehouse. The DCS relies on a native relational database in the processor 14...number from the card 66

is entered into the register 16. The existing sales order *transaction* record is *displayed* on the screen of the register 16. The check-out cashier (not shown) is then...selection, order and

delivery functions of the retail store 200. FIGS. 4a-4c illustrate screen *displays* generated by the sales *transaction* computers 18 in performing the selection, order and delivery functions.

In step 300 (FIG. 3...

...transaction computer 18 scans the customer's membership card in order to initiate a potential *transaction*, While not shown, the *display* screen of the computer 18 *prompts* the operator to enter the member number directly, or scan the member card to receive...items previously during the day from another sales associate, that information is included in the *\*\*\*transaction\*\*\** record and is *\*\*\*displayed\*\*\**. The screen 400 includes Total, Modify and Exit commands in the lower left portion of...merchandise requires any additional products for operation. If so, in step 356 the computer 18 *prompts* the sales personnel with a *display* (not shown) listing additional products required for the operation of the selected merchandise. In step...400 distribution center system (DCS) available from IBM. The system 600 tracks merchandise and directs *\*\*\*work\*\*\** *\*\*\*flow\*\*\** in the warehouse 204.

The system 600 relies on a relational database to track and...

Claim

... information  
pertaining to said item and for selecting said item for addition to said sale **transaction** record;  
**displaying** merchandise delivery method information to the customer for selecting delivery method instructions and for adding...

...information  
pertaining to said item and for selecting said item for addition to said sale **transaction** record;  
**displaying** merchandise delivery method information to the customer for selecting delivery method instructions and for adding...information  
pertaining to said item and for selecting said item for addition to said sale **transaction** record;  
**displaying** merchandise delivery method information to the customer for selecting delivery method instructions, said instructions being...

?